Amendment dated July 5, 2007

Reply to the Office Action of April 6, 2007

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An image forming apparatus, comprising:

a photoconductive medium which is rotatable and is formed with a predetermined electrostatic latent image thereon;

a developing roller<u>unit</u> <u>transfer a toner</u> to attach a toner to develop the electrostatic latent image on the photoconductive medium;

a toner supplying reller<u>unit</u> transfer the toner to the direction of the developing unitto supply the toner stored in a toner receptacle to the developing roller, wherein the toner supplying roller is to be formed in a fur brush shape; and

a cleaning unit disposed at a position opposite to a predetermined-nip with respect to a rotating axis of the toner supplying roller<u>unit</u> to remove from the toner supplying roller<u>unit</u> the toner-which remains after the toner is transferred from the toner supplying roller to the developing roller.

wherein the nip defined between the developing unit and the toner supplying unit is approximately 0.2~0.5mm.

- 2. (Currently Amended) The image forming apparatus of claim 1, wherein the toner supplying reller<u>unit</u> is formed in a fur brush shape having a cylinder and a fur made of nylon or acryl and attached to the cylinder, and the cleaning unit is formed as a cleaning roller to be supported by the toner receptacle to be in pressing contact with the toner supplying roller with a predetermined pressure to form a predetermined second nip with the toner supplying roller.
- 3. (Currently Amended) The image forming apparatus of claim 2, wherein the fur is approximately 5~15 deniers thick and approximately 1.0~1.5mm long.
 - 4. (Currently Amended) The image forming apparatus of claim 2, wherein the

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cleaning rollerunit is formed of a strong bar of a cylindrical shape.

- 5. (Cancelled)
- 6. (Currently Amended) The image forming apparatus of claim 1, further comprising:
- a toner controlling blade to form the toner supplied to the developing rollerunit into a regularly thin film.
- 7. (Currently Amended) A developing unit used with an image forming apparatus having a photoconductive medium, comprising:
 - a toner receptacle to store a toner;
- a developing roller<u>unit</u> to <u>transfer the tonersupply the toner to the photoconductive</u> medium;
- a toner supplying roller<u>unit</u> to <u>transfer the toner to the direction of the developing</u> <u>unit</u>supply the toner contained in the toner receptacle to the developing roller, wherein the toner supplying rollerunit is formed in a fur brush shape,

wherein the toner supplying <u>rollerunit</u> comprises a cylinder and a fur attached to a surface of the cylinder in a radial direction of the cylinder by a first distance from the surface of the cylinder; and

a cleaning <u>rollerunit</u> is disposed to be spaced-apart from the surface of the cylinder by a second distance to remove the toner from the toner supplying <u>rollerunit</u> by shaking the fur of the cylinder.

- 8. (Currently Amended) The developing unit of claim 8, wherein the cleaning rellerunit shakes off the toner remaining on a surface of the toner supplying rellerunit.
- 9. (Currently Amended) The developing unit of claim 8, wherein the cleaning rollerunit shakes a portion of the toner supplying rollerunit.
 - 10. (Currently Amended) The developing unit of claim 7, wherein the cleaning

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rollerunit is disposed in a direction parallel to a rotation axis of the toner supplying rollerunit.

- 11. (Currently Amended) The developing unit of claim 7, wherein the toner supplying rollerunit comprises fur disposed around an outer circumference thereof and the cleaning rollerunit contacts a portion of the toner supplying rollerunit to shake the portion of the toner supplying rollerunit when the toner supplying rollerunit rotates with respect to the cleaning rollerunit, so that the toner attached to the fur of the toner supplying rollerunit is removed.
- 12. (Currently Amended) The developing unit of claim 7, wherein the cleaning roller<u>unit</u> pushes a portion of the toner supplying roller<u>unit</u> with respect to the developing roller<u>unit</u>.
- 13. (Currently Amended) The developing unit of claim 7, wherein the cleaning rollerunit pushes the toner supplying rollerunit with respect to the toner receptacle.
- 14. (Currently Amended) The developing unit of claim 7, wherein the toner supplying reller<u>unit</u> comprises a cylinder and a fur attached to the cylinder, and the cleaning reller<u>unit</u> is disposed to contact the fur of the toner supplying reller<u>unit</u> and shakes the fur of the toner supplying reller<u>unit</u> when the toner supplying reller<u>unit</u> rotates.
 - 15. (Cancelled)
- 16. (Currently Amended) The developing unit of claim 78, wherein the second distance is equal to or less than the first distance.
- 17. (Currently Amended) The developing unit of claim 16, wherein the cleaning roller<u>unit</u> comprises a cylindrical member having an outer surface disposed to contact the fur of the toner supplying roller<u>unit</u>.
- 18. (Original) The developing unit of claim 17, wherein the outer surface of the cylindrical member is spaced-apart from the surface of the cylinder by a third distance which is

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equal to or less than the first distance.

- 19. (Currently Amended) The developing unit of claim 17, wherein the cleaning roller<u>unit</u> is disposed to contact the fur of the toner supplying roller<u>unit</u> and shakes the fur when the toner supplying roller<u>unit</u> rotates, so that the toner attached to the fur is removed.
- 20. (Currently Amended) The developing unit of claim 17, wherein the cleaning roller<u>unit</u> is stationary, and the fur of the toner supplying roller<u>unit</u> contacts the cleaning roller<u>unit</u> while rotating together with the cylinder of the toner supplying roller<u>unit</u>.
- 21. (Currently Amended) A developing unit used with an image forming apparatus having a photoconductive medium, comprising:
 - a toner receptacle to store a toner;
- a developing roller<u>unit</u> to <u>transfer a toner</u>supply the toner to the photoconductive medium;
- a toner supplying reller<u>unit</u> to <u>transfer a toner to the direction of the developing</u>
 <u>unit</u>supply the toner contained in the toner receptacle to the developing roller, wherein the toner supplying roller is to be formed in a fur brush shape; and
- a cleaning reller<u>unit</u> to remove the toner from the toner supplying reller<u>unit</u>, wherein the toner supplying reller<u>unit</u> is rotatable, and the cleaning reller<u>unit</u> is stationary.
- 22. (Currently Amended) The developing unit of claim 78, wherein the cleaning rellerunit is disposed to contact the toner remaining on a surface of the toner supplying rellerunit.
 - 23. (Currently Amended) An image forming apparatus comprising:
 - a photoconductive medium; and
 - a developing unit comprising,
 - a toner receptacle to store a toner,
 - a developing rollerunit to transfer the toner supply the toner to the

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photoconductive medium,

a toner supplying reller<u>unit</u> having fur disposed around a circumference thereof to supply <u>transfer</u> the toner <u>to the direction of the developing unit</u>centained in the toner receptacle to the developing roller, wherein the toner supplying roller<u>unit</u> is formed in a fur brush shape, and

a <u>stationary</u> cleaning unit to shake the fur of the toner supplying <u>rellerunit</u> to remove the toner from the toner supplying <u>rellerunit</u>.

- 24. (Cancelled)
- 25. (Cancelled)
- 26. (Currently Amended) The image forming apparatus of claim 1, further comprising:

a developing unit frame to support the developing rellerunit to be rotatable, and having a toner receptacle to store the toner.

- 27. (Currently Amended) The image forming apparatus of claim 1, wherein the developing rellerunit is rotatably mounted in the image forming apparatus to contact the photoconductive medium.
- 28. (Currently Amended) The image forming apparatus of claim 1, wherein the toner supplying reller<u>unit</u> rotates in contact with the developing reller<u>unit</u> to form a predetermined nip with the developing reller<u>unit</u>.
- 29. (New) The image forming apparatus of claim 1, wherein the nip defined between the developing unit and the toner supplying unit is approximately 0.2~0.5mm.

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30. (New) The image forming apparatus of claim 1, wherein the cleaning unit is formed as a cleaning roller to be supported by the toner receptacle to be in pressing contact with the toner supplying roller with a predetermined pressure to form a predetermined second nip with the toner supplying roller.